



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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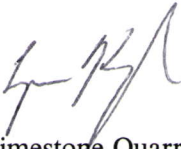
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April 17, 2000

TO: Minerals File

FROM: Lynn Kunzler, Reclamation Specialist 

RE: Site Inspection, Bryce Haas, B & C Limestone Quarry, S/039/013, Sanpete County, Utah

Date of Inspection: April 12, 2000  
Time of Inspection: 2:00 p.m.  
Conditions: Cloudy  
Participants: Bryce Haas, Operator; and Lynn Kunzler, DOGM

Purpose of Inspection: To evaluate site conditions and reclamation potential.

This is an active site with quarrying operations being conducted during the inspection. Equipment and palleted stone was observed on site as well during the inspection. The disturbed area has expanded since the last inspection on July 28, 1999, and appeared to have exceeded the 5-acre limit for a small mining operation. A GPS was used to survey the disturbed area. Results showed 7.5 acres of quarry, pad, and work areas. Of this, .3 acres has been regraded and is ready for seeding. An additional 1.3 acres was in an area of a pre-law pit that the operator and SITLA had agreed to be backfilled with excess overburden. Even with these areas excluded from the total disturbance, this site should be considered a large mining operation (5.9 acres of active disturbance). Since the site appeared to be larger than the 5-acre limit for a small mining operation, we discussed the options that could be taken to avoid a Notice of Agency Action being issued. These options included immediate reclamation of sufficient area to reduce the active disturbed area to less than 5 acres, or to permit the site as a large mining operation.

The surrounding area (vegetation) was evaluated to determine an appropriate seed mix for revegetation of the site. Common species observed included Wyoming sagebrush, shadscale, indian ricegrass, and cheatgrass. In developing a seed mix, SITLA expressed concerns about using highly palatable species. Even though the post mining land use is grazing, the range condition is poor in the surrounding areas and they felt that grazing animals would prevent successful revegetation with palatable species. They had recommended that only sagebrush be seeded. The following is seed mix is recommended for revegetation: Indian ricegrass @ 1.5 lbs., Thickspike wheatgrass @ 2.0 lbs Ephraim crested wheatgrass @ 0.5 lbs, Palmer penstemon @0.25 lbs, Forage kochia @0.5 lbs, Rubber rabbitbrush and 0.4 lbs, Wyoming sagebrush and 0.1 lbs and shadscale and 1.0 lbs. All rates are for broadcast seeding methods and are in terms of pure live seed (PLS) per acre. This mix should meet the concerns of SITLA as well as providing for a diverse and permanent vegetation cover. It is also expected that this mix will compete well with cheatgrass (a noxious weed).

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Since the disturbed acreage was estimated at greater than 5 acres, it is recommended that B & C Limestone provide the Division with a remedial action plan to correct this non-compliance situation. This plan could include either immediate reclamation of at least 3.7 acres of disturbance, or submitting a Notice of Intention to Conduct Large Mining Operations.

Several photos were taken to document site conditions.

cc: John Blake, SITLA  
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